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### **Space Science Center's Electromagnetic Anechoic Chamber now online**

MSU's Space Science Center has opened a new laboratory facility--the Electromagnetic (EM) Anechoic Chamber. The anechoic chamber is an experimental laboratory that simulates the electromagnetic environment of space to allow testing and measurement of satellite systems, antennas and antenna components.

The new chamber is essentially an experimental room lined with RF absorbent material and contains an antenna positioner and controller that allows for a variety of empirical measurements of antenna performance. The chamber facilitates the Space Science Center's spacecraft verification program, allowing staff and students to characterize the RF performance of space-based and ground-based (Earth station) antenna systems.

The anechoic chamber facilitates empirical measurements of antenna parameters such as radiation patterns, gain, system temperature profiles, cross-polarization, and effective isotropically radiated power (EIRP), and transceiver system stability.

Measurements of critical characteristics of communications systems can be made (antenna gain and radiation patterns, system EIRP, etc.). Additional measurements for CubeLab payloads are made in the chamber including: RF leakage, RF susceptibility, etc.

The EM Anechoic Chamber Lockheed is valued at more than \$1 million. It was a gift from the Lockheed Martin Aerospace Company and was originally installed in Clarksburg, Md.



### **Spring Commencement recognizes nearly 1,150 degree candidates**

MSU honored nearly 1,150 degree candidates at its two spring commencement ceremonies on Saturday, May 14, at the Academic-Athletic Center.

There were smiles, cheers and lots of photographs taken as the newest alumni took the ceremonial walk across the stage. President Wayne D. Andrews offered a congratulatory handshake to each of those completing graduate and undergraduate degree requirements.

Candidates from the College of Science and Technology and College of Business and Public Affairs participated in the first program Saturday morning, while the College of Education and Caudill College of Arts, Humanities and Social Sciences took part in the afternoon program.

Medina Whitney Jackson was the student speaker for the morning program. A graduate of Knox Central High School in Barboursville, she is the daughter of Nicia D. and Robert W. Jackson of Flat Lick.

An honorary Doctor of Education degree was presented to MSU alumnus Elmer Smith of Atlanta. He is president of Interactive College of Technology (ICT) .

Kevin Callihan was the student speaker for the afternoon program. A Raceland native, he is the son of Sherry Callihan and a 2007 graduate of Russell High School.

ROTC students were commissioned as part of each program by Brig. Gen. Jeffery L. Underhill, the first MSU alumnus to be promoted to this rank.

Following each ceremony, the newest alumni were inducted into the MSU Alumni Association Inc. by its president, Clyde James of Morehead.

**MSPR wins state AP awards**

Five Morehead State Public Radio students have been recognized for their work in the newsroom as they received honors at the annual Kentucky Associated Press Awards.

Matthew Rand of Georgetown, Ohio, won "Best College Audio" while Tyler Smith of Williamsburg took second place in the "Best Sports Reporting."

Tanner Hesterberg of Morehead captured an honorable mention for "Best Sports Feature/Special." Hesterberg did a feature on Morehead State alumnus Josh Teater, who is a pro golfer.

Shayla Menville, an MSU graduate of Morehead, finished second in "Best Radio Reporter" category. Chuck Mraz finished first for "Best Newscast," "Best Sports Reporting," and "Best Radio Anchor."

MSPR finished second place in "Best Web Site." Greg Jenkins, operations director, is the webmaster.

Also receiving honorable mention for "Best Public Affairs" was Health Matters with Dr. Tony Weaver and Rick Phillips for the show "Vertical Sleeve Gastrectomy." Student Brandon McCleese of Vanceburg was producer.

**Space Movie Film Festival hosted by MSU**

MSU's College of Education's 21st Century Education Enterprise, collaborated with the faculty of the College of Science and Technology, Space Science Center and Kentucky DataSeam, Thursday, May 19, to enable area high schools to show off their talents as documentary makers.

A total of 43 students and nine teachers from eight schools attended the Space Movie Film Festival. The student-created science films were showcased on the Digital Star Theater, a 100-seat, multi-function, state-of-the-art, digital classroom, in MSU's Space Science Center.

The project was supported with funding from DataSeam and the MSU Center for Regional Engagement.

**Members of the 2011-12 class of the President's Leadership announced**

Members of the 2011-12 class of the President's Leadership Academy at Morehead State University were introduced at a reception on May 10.

"Our people are our most important assets, and it is always important to build our leadership capacity," said MSU President Wayne D. Andrews, who welcomed incoming members at the event.

Leadership Academy class members are: Jolann Baldwin, associate director of housing; Michelle Barber, assistant director first year programs; Regina Beach, director of testing; Hans Chapman, assistant professor of Applied Engineering and Technology; Aaron Gay, database research analyst I; Misty Hanks, coordinator instructional design; Julia Hypes, associate professor of sports management; Jill McBride, nontraditional and commuter coordinator; Ann Rathbun, associate professor of health education; Robert Royer, associate professor of English; Wesley White, professor of psychology; and Stacy Wistuba, aquatics director.

Academy members were named after a competitive nomination and selection process that included interviews conducted by groups of community leaders.

The President's Leadership Academy provides quality professional development, mentorship and internships to selected faculty and staff who show potential to become more effective leaders.

**Brown named Coach of the Year**

MSU Eagle men's bowling coach Bobby Brown was named Kerm Helmer Coach of the Year Wednesday during the Night of Champions banquet in conjunction with the 2011 United States Bowling Congress Intercollegiate Team Championships (ITC).

Brown has been coaching MSU since 1999. In 2003, he coached the Eagles to their highest finish ever, as they placed second in the nation. Under his leadership, the men have several national third place finishes as recently as 2006.

He attended Morehead State from 1994-99 and earned the Bachelor of Business Administration and the Master of Business Administration degrees. As a member of the MSU Bowling Team, he has bowled a 300 game (one of 11 in his career), a high series of 826 (one of three career 800 series) and achieved a high average of 249.